

Ultra-fast streak camera development

Andrew G. MacPhee, S. Johnson, A. Lindenberg, R.W. Falcone (UC Berkeley),
P.A. Heimann (LBNL), R.W. Lee (LLNL)
Z. Chang (Kansas State University)

Progress with the development of a ~ 0.1 ps X-ray streak camera is described. A simulation of the image converter tube suggesting satisfactory imaging properties is presented, along with calculations of the field required to overcome resolution loss due to temporal dispersion.